

## Improve efficiency, reduce water usage and help purify your water with comprehensive water management solutions for the pharmaceutical industry

Whether you're making active pharmaceutical ingredients, biologics, or medical equipment, optimizing your plant's water systems from process water to utility water to wastewater and effluent treatment is critical to help reach your goals of:



Advance product quality



Optimize water and energy use



Increase operational efficiency



Achieve sustainability KPIs

You have unique needs when it comes to meeting the challenges of improving productivity, producing safe and high-quality products and meeting sustainability targets. And you do this while navigating an ever-changing regulatory environment and keeping employees safe and healthy. There is a lot to think about and this is where our experts can help.

Understand key goals and priorities



Creation of personalized program



You focusing on running your operations

# Comprehensive Water Management Solutions for the Pharmaceutical Industry

## PRE-TREATMENT SOLUTIONS



Achieve your specific water quality needs with our pre-treatment equipment, services and products so that your assets are protected and your facilities are operating efficiently. Nalco Water can help you:

- Proactively address water quality challenges to maximize efficiency and quality
- Identify opportunities for reducing water usage
- Monitor critical operating parameters in real time to address potential issues

## BOILER AND COOLING WATER SOLUTIONS



Your productivity and product quality could be impacted by your boiler or cooling water systems, which can be adversely affected by corrosion, scaling, fouling and biological contamination. Nalco Water can help you:

- Optimize system performance and avoid disruption to your production
- Reach your sustainability goals by reducing water and energy use
- Extend asset life to avoid costly down time and unplanned capital expenditures

## WASTEWATER TREATMENT



Whether you are discharging directly to a municipal wastewater treatment system or treating prior to your own wastewater treatment system, effective primary wastewater treatment is critical to your plant operations. Nalco Water can help you:

- Minimize overall costs via treatment chemicals and equipment performance optimization
- Address compliance issues and operator performance with our water experts
- Improve water conservation using our digital tools that bring increased visibility and action

In 2023, Nalco Water helped our customers save:<sup>1</sup>



▪ 226 billion gallons of water



▪ 47 trillion BTUs of energy

▪ 64 million pounds of waste

We can help enable:

- Visibility to water treatment program performance
- Timely resolutions
- Project prioritization

For more information, please contact your Nalco Water representative.

<sup>1</sup> All data illustrated is representative of Ecolab's on-going enterprise sustainability efforts. A robust list of Ecolab corporate sustainability data and progress being made towards each goal can be accessed by referencing the Ecolab 2023 Growth & Impact Report which can be found and downloaded here: <https://www.ecolab.com/corporate-responsibility/reporting-resources>.

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